

Abstract

A spindle motor for hard disk drives having a hydrodynamic bearing arrangement. The arrangement has a shaft and a bearing sleeve including an upper sleeve part, a lower sleeve part and a spacer. The upper and lower sleeve parts are axially separated by the spacer. The shaft is positioned within the upper and lower sleeve parts. An annular cavity is formed by the upper sleeve part, lower sleeve part and the spacer where a thrust plate, attached to a central position along the longitudinal axis of the shaft, is located.